



# OpenVMS Rolling Roadmap

This information contains forward looking statements and is provided solely for your convenience. While the information herein is based on our current best estimates, such information is subject to change without notice.

# OpenVMS Rolling Roadmap

March 2016

2016 / 2017

2018

## **OpenVMS V8.4-2**

### **HPE Integrity System Support**

- Full BL890c Support
  - 64 Cores (hyperthreads off)
  - 1.5 TB Memory
- AUTOGEN (large memory)
- UEFI 2.3
- Network Boot for i4 Blades
- WBEM for i4
- rx7640 / rx8640

### **Performance**

- More alignment faults eliminated
- Tunable BACKUP Compression

### **Software Component Updates**

- Enterprise Directory 5.7
- CSWS (based on Apache 2.4.12)
- LDDRIVER 9.7
- Latest Time Zone Definitions
- I18N (for localized language support)
- Digital Signing 2.0
- Rebranding 2.0

## **OpenVMS V8.x,.....**

### **HPE Integrity System Support**

- 16Gb Fibre Channel
- HPE Kittson-based servers

### **Software**

- JAVA 1.8
- VSI TCP/IP 1.0
- Larger Disks (64b LBNs)
- gSOAP, Samba, PHP, git
- OMNI / OSAP
- OpenVMS and LP Japanese kit

### **New File System**

- In addition to ODS-2 and ODS-5
- Eliminate 2TB volume size limit, better performance and much more

### **In Testing and Soon to be Released**

- 3PAR 8000/20000 Flash Arrays
- 64b Availability Manager
- OpenSSL 1.0.2g
- RTR

## **OpenVMS V9.0**

### **Itanium & x86-64**

- Network stack performance
- Containers
- OpenJDK

### **Itanium**

Additional servers & I/O, depending on customer feedback

### **x86-64**

- Selected HPE Servers (Intel and AMD)
- OpenVMS as a virtual machine guest
- Dynamic Binary Translator (Alpha/Itanium)
- Same compilers supported as on Itanium with standards updates for
  - C
  - C++
  - FORTRAN

Multiple releases may occur between V8.4-2 and V9.0. The order in which various improvements are added to these releases will be determined by readiness by hardware availability, and customer feedback.

# Research Areas

- Virtual Machine Guest
  - kvm
  - xen
  - VirtualBox
  - VMware
- Containers / Docker
- Hadoop
- Cloud
  - OpenStack
  - Rackspace
  - Apache jclouds
- Security
  - Encryption
    - Communications
    - Data at Rest
    - Crash Dumps
  - UEFI Secure Boot
- Additional Scripting Language

# OpenVMS Operating Environment

## DVD Contents

Released

March 2016

### BOE Components:

- V8.4-1H1 operating system (05/13/15)
- ANT (05/13/15)
- AXIS2 (05/13/15)
- CDSA (05/13/15)
- CIFS (05/13/15)
- CSWS (09/24/15)
- CSWS\_JAVA (09/24/15)
- CSWS\_PHP (09/24/15)
- DCPS (05/13/15)
- DECnet Phase IV (05/13/15)
- DECnet Phase V (05/13/15)
- DECram (05/13/15)
- DECwindows Motif (09/24/15)
- DCE (runtime) (05/13/15)
- Encryption (05/13/15)
- Kerberos (05/13/15)
- PERL (05/13/15)
- SSL (05/13/15)
- TCP/IP (05/13/15)
- The Data Collector (05/13/15)
- UDDI (05/13/15)
- VSI Binary Checker (05/13/15)
- WBEM/CIM (05/13/15)
- WBEM providers (05/13/15)
- WSIT (05/13/15)
- XML C++ (05/13/15)
- XML\_JAVA (09/24/15)

### HAOE components:

- Availability Manager (05/13/15)
- RMS Journaling (05/13/15)
- Volume Shadowing (05/13/15)
- OpenVMS Cluster Client (05/13/15)
- OpenVMS Cluster Software (05/13/15)

### BOE Components:

- CSWS (update)
- CSWS\_JAVA (update)
- CSWS\_PHP (update)
- DECnet Phase V Applications
  - OSAK (new)
  - FTAM (new)
  - VT (new)
- DECwindows Motif (update)
- Enterprise Directory (new)
- The Data Collector (update)
- WBEM/CIM (update)
- WBEM providers (update)

### HAOE components:

# OpenVMS Layered Products

## DVD Contents

Released

March 2016

- ABS / MDMS (09/24/15)
- ACMS dev, remote, runtime (05/13/15)
- BASIC (05/13/15)
- C (05/13/15)
- COBOL (05/13/15)
- Datatrieve (09/24/15)
- DECforms dev, runtime (05/13/15)
- DECset (05/13/15)  
(CMS, DTM, MMS, SCA, LSE, PCA)
- DFO (09/24/15)
- DFS (05/13/15)
- FMS dev, runtime (09/24/15)
- FORTRAN (05/13/15)
- MRU (09/24/15)
- PASCAL (05/13/15)
- SSM (09/24/15)
- TDMS dev, runtime (09/24/15)
- DECforms dev, runtime (update)
- DECset – CMS (update)
- FORTRAN (update)
- SSM (update)

# VSI Previous Operating System Releases

May 2015

## ***OpenVMS V8.4-1H1***

### **Itanium® Processor 9500 series**

- ◆ New CPU architecture
- ◆ Vastly improved performance

### **HP Integrity System Support**

- ◆ rx2800
- ◆ HP Integrity Server Blades
  - BL860c
  - BL870c
  - BL890c
- ◆ Blades FlexFabric LAN support
- ◆ 9300 series blades and rx2800

### **Software**

- ◆ Quality Enhancements
  - Operating System
  - Layered Products
- ◆ Product Rebranding



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